

SAMPLE PREPARATION- TOTAL PHOSPHORUS**SM 18th, 19th, 20th Ed. 4500-P B****Page 1 of 1**

Facility Name: _____ VELAP ID: _____

Assessor Name: _____ Analyst Name: _____ Inspection Date: _____

Relevant Aspect of Standards	Method Reference	Y	N	N/A	Comments
Records Examined: SOP Number/ Revision/ Date _____ Analyst _____					
Sample ID: _____ Date(s) of Sample Preparation: _____ Date of Analysis: _____					
Were all glass containers rinsed in hot, dilute HCL and reagent water and never subjected to detergents containing phosphate?	4500-P A. Intro. 5				
Was one drop of phenolphthalein added to each sample?	4500-P B 5 c				
If samples developed a red color after phenolphthalein addition, was H ₂ SO ₄ added dropwise to discharge the color?	4500-P B 5 c				
Next was 1 mL H ₂ SO ₄ and 0.4 g (NH ₄) ₂ S ₂ O ₈ or 0.5 g K ₂ S ₂ O ₈ added to each sample aliquot?	4500-P B 5 c				
Were sample aliquots boiled gently on a preheated hotplate for 30 or 40 minutes or until a final volume of 10mL was reached or heated in an autoclave or pressure cooker for 30 mins at 98 to 137 kPa?	4500-P B 5 c				
Were samples cooled, 1 drop phenolphthalein indicator solution added, and then neutralized to a faint pink color with NaOH?	4500-P B 5 c				
Were samples then diluted to 100 mL with distilled water?	4500-P B 5 c				
Were samples not filtered after coloring, even if precipitates formed?	4500-P B 5 c				
Were calibration standards carried through the same preparations as samples?	4500-P B 5 c				

Notes/ Comments: